Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-03-15-10**

Date: 19/03/2018

Customer : Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.

Address : Yelahanka Sub division, BBMP, Bangalore.

Project Name : Improvements to Darins and Roads at Balance Portion of Kondappa Layout Chowdeshwari Layout, Yelahanka Old Town and Surrounding areas in ward No.02 of Yelahanka Sub Division.

Agency : Sri.Y.A Dhanashekar, No.10, K.H.B Colony Yelahanka, Bangalore-64

Customer's Reference : EE(YNK.D)E-PMT-14/W.O/000120/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 15-03-18

Sample ID No : 2018-03-15-10 /01

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 19/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	12/03/2018	19/03/2018	149.17 X 151.34 X 150.22	22575	8.145	404.1	17.9	17.5
2	Drain Concrete	M20	12/03/2018	19/03/2018	150.49 X 150.16 X 150.34	22598	8.201	393.2	17.4	
3	Drain Concrete	M20	12/03/2018	19/03/2018	150.55 X 149.65 X 149.31	22530	8.197	385.3	17.1	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
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Samples will be disposed after 90 days from the date of issue of test certificate

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CIVIL PRO Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-03-15-10** **Date: 20/03/2018**

Customer : Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.

Address : Yelahanka Sub division, BBMP, Bangalore.

Project Name : Improvements to Darins and Roads at Balance Portion of Kondappa Layout Chowdeshwari Layout, Yelahanka Old Town and Surrounding areas in ward No.02 of Yelahanka Sub Division.

Agency : Sri.Y.A Dhanashekar, No.10, K.H.B Colony Yelahanka, Bangalore-64

Customer's Reference : EE(YNK.D)E-PMT-14/W.O/000120/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 15-03-18

Sample ID No : 2018-03-15-10 /03

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 20/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	13/03/2018	20/03/2018	149.66 X 150.24 X 150.67	22485	8.147	395.7	17.6	17.6
2	Drain Concrete	M20	13/03/2018	20/03/2018	151.24 X 149.87 X 150.33	22666	8.214	394.4	17.4	
3	Drain Concrete	M20	13/03/2018	20/03/2018	151.47 X 150.47 X 150.45	22792	8.199	408.0	17.9	

Note:

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All information furnished by Customer/Representative
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AE-2 Checked by AE-02

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CIVIL PRO Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2018-03-05-10** **Date: 08-03-18**
Customer	:	Assistant Executive Engineer, Yelahanka Sub division, BBMP,
Address	:	Yelahanka Sub division, BBMP, Bangalore.
Project Name	:	Improvements to Darins and Roads at Balance Portion of Kondappa Layout Chowdeshwari Layout, Yelahanka Old Town and Surrounding areas in ward No.02 of Yelahanka Sub Division.
Agency	:	Sri.Y.A Dhanashekar, No.10, K.H.B Colony Yelahanka, Bangalore-64
Customer's Reference	:	EE(YNK.D)E-PMT-14/W.O/000120/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-03-18
Sample ID No	:	2018-03-05-10 /01
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	06-03-18
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.65	–
2	Finess by Air permeablity method (m^2/kg,Min)	296.3	225m^2/kg, Min
3	Density (gm/cc)	3.14	–
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	145 minutes	Not less than 30 minutes
6	Final Setting time	290 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2.0mm	Not more than 10 mm

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

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Samples will be disposed after 90 days from the date of issue of test certificate

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2018-03-05-10** **Date: 08-03-18**
Customer	:	Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.
Address	:	Yelahanka Sub division, BBMP, Bangalore.
Project Name	:	Improvements to Darins and Roads at Balance Portion of Kondappa Layout Chowdeshwari Layout, Yelahanka Old Town and Surrounding areas in ward No.02 of Yelahanka Sub Division.
Agency	:	Sri.Y.A Dhanashekar, No.10, K.H.B Colony Yelahanka, Bangalore-64
Customer's Reference	:	EE(YNK.D)E-PMT-14/W.O/000120/2017-18
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	05-03-18
Sample ID No	:	2018-03-05-10 /02(a)
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	05-03-18

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	429	429	2.9	97.1	90-100
3	20 mm	7195	7624	50.8	49.2	30-70
4	10 mm	3859	11483	76.6	23.4	10-35
5	4.75 mm	2953	14436	96.2	3.8	0-5
6	Pan	564	15000	100.0	0	---

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